

AC Electric Corp.)	Departmental
Penobscot County)	Findings of Fact and Order
Bangor, Maine)	Air Emission License
A-919-71-C-M)	Amendment #2

After review of the air emissions license application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

AC Electric (AC) of Bangor, Maine was issued Air Emission License #A-919-71-A-N on August 12, 2005, permitting the operation of emission sources associated with their electric equipment refurbishing facility. This License was amended on June 12, 2006, to include a stripping booth.

AC has requested a modification to their license to include a new natural gas fired parts washer.

B. Emission Equipment

Process Equipment:

Process Equipment	Description	Maximum Heat Input
PW #1	Parts Washer	0.78 MMBtu/hr

C. Application Classification

This amendment will not alter the annual fuel limit of this source. Therefore, no emission increase will result. This modification is determined to be a minor revision and has been processed as such.

II. BEST PRACTICAL TREATMENT (BPT)

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (last amended December 24, 2005). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in *Definitions Regulation*, 06-096 CMR 100 (last amended December 24, 2005). BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. PW #1

The PW #1 parts washer is a natural gas fired unit rated at 0.78 MMBtu/hr, which utilizes non-VOC cleaning solvents. PW #1 does not meet the definitions in, and is therefore not subject to, the requirements of *Solvent Cleaners*, 06-096 CMR 130 (last amended June 28, 2004). Due to its small heat input capacity and use of non-VOC cleaning solvent, no emission controls are required for PW #1.

BACT for PW #1 shall be the following:

1. Use of non-VOC cleaning solvent.
2. *Low Sulfur Fuel*, 06-096 CMR 106 (last amended June 9, 1999) regulates fuel sulfur content. However, the use of natural gas is more stringent and shall be considered BACT.
3. A PM emission limit of 0.05 lb/MMBtu shall be considered BACT. The PM₁₀ limits are derived from the PM limits.
4. NO_x, CO, and VOC emission limits are based upon AP-42 data dated 7/98 for the combustion of natural gas.
5. Visible emissions from PW #1 shall not exceed 10% opacity on a six (6) minute block average.

III. AMBIENT AIR QUALITY ANALYSIS

According to 06-096 CMR 115, the level of air quality analyses required for a minor **new** source shall be determined on a case-by case basis. Based on the information available in the file, and the similarity to existing sources, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this source.

**AC Electric Corp.
Penobscot County
Bangor, Maine
A-919-71-C-M**

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3

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #2**

ORDER

The Department hereby grants Air Emission License A-919-71-C-M subject to the following conditions:

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

The following are new conditions to Air Emission License A-919-71-A-N:

(1) PW #1

- A. AC shall keep records of the amount of solvent added to PW #1. [06-096 CMR 115, BACT]
- B. PW #1 shall not exceed the following emissions: [06-096 CMR 115, BACT]

Emission Unit		PM	PM₁₀	SO₂	NO_x	CO	VOC
PW #1	lb/hr	0.04	0.04	Neg.	0.08	0.06	0.01

- C. Visible Emissions from PW #1 shall not exceed an opacity of 10 percent on a six (6) minute block average basis. [06-096 CMR 101]

**AC Electric Corp.
Penobscot County
Bangor, Maine
A-919-71-C-M**

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4

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #2**

- (2) AC shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (38 M.R.S.A. §605).

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2008.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAVID P. LITTELL, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-919-71-A-N.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 1/15/2008

Date of application acceptance: 1/28/2008

Date filed with the Board of Environmental Protection: _____

This Order prepared by Jonathan Voisine, Bureau of Air Quality.